

FiberPlex SFP-HHDVT-0000-L

SFP 3GBPS SDI TO HDMI/DVI CONVERTER SINGLE TRANSMITTER, MSA, TYPE D CONNECTOR



Description

The SFP-HHDVT-0000-L is an electrical SFP transmitter module designed to convert SDI signals to an HDMI/DVI (High definition multimedia interface®/Digital Visual Interface) output without scaling artifacts. A copy of the relocked SD/HD/3G-SDI source is loopback to the host. Up to 8 channel of audio is supported and embedded in the HDMI signal.

The SFP-HHDVT-0000-L provides module identification information, configuration and diagnostic monitoring through a 2 wire serial interface. It is also a hot-pluggable solution for field system upgrade and maintenance.

The SFP-HHDVT-0000-L is interchangeable with other MSA optical video SFP, coaxial SFP and SFP converter improving product flexibility. Ganged cages, belly-to-belly and superposed cage mountings are supported. The module provides reduced development risk and cost.

The SFP-HHDVT-0000-L is Pb-free and ROHS compliant.



Summary of Benefits

Flexibility: Build a totally optimized system by mixing electrical SDI, NTSC/PAL converter, HDMI/DVI and optical video SFP

Cost: Design cost effective system

Modularity: Allow hot scalability and replacement of critical components wherever possible

Density: Highest density ever achieved for SDI to HDMI/DVI and HDMI/DVI to SDI converters

Interchangeable: Fully compatible with existing MSA video optical SFP, SDI SPF and SFP converters

Hot-Pluggable: Swap without affecting system behavior

Advanced Packaging: Support ganged cages, belly-to-belly and superposed cages mounting

Green: The SFP-HHDVT-0000-L is Pb-free and ROHS compliant

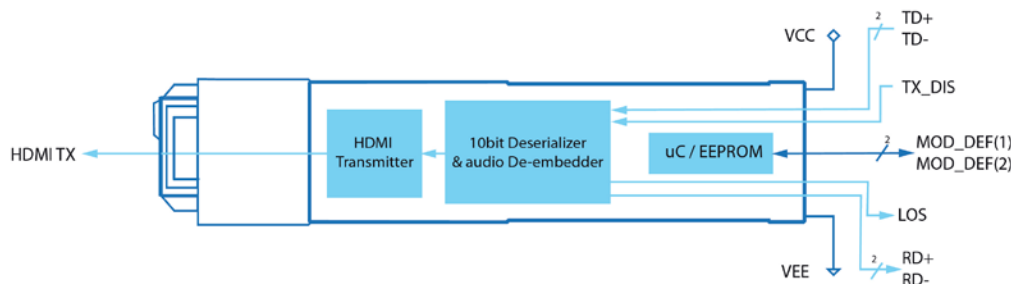
Typical Applications

- Multi-channel/multi-media transport with WDM-16
- Cost effective SDI monitoring solution
- Processing cards
- SDI switchers
- Video routers
- Broadcast cameras

Video

Features:

- SMPTE 424M, 292M and 259M compliant
 - SDI Relocked Loopback to host connector
 - Supported format: 525/625,
 - 720p/1080i (50/59.94/60Hz),
 - 1080p (23.98/24/15/29.97/30/50/59.94/60Hz)
 - HDMI/DVI Output:
 - 24 bit (3x8 bits)
 - RGB 4:4:4, YCbCr 4:2:2, YCbCr 4:4:4
 - BW = 150Mhz
 - RGB Range (Full/SMPTE)
 - Up to 8 channel audio de-embedding (PCM)
 - HDMI 1.4 Type D connector
 - HDMI Type D plug with retention
 - Control via serial interface including:
 - Voltage & Temperature Monitoring
 - HDMI/DVI interface configuration
 - EDID reading, Audio mapping
 - Module Information
 - Low Power Consumption
 - Single Supply +3.3V
- 58.5mm x 13.4mm x 8.6mm SFP Package
Operating temperature: 0°C to 70°C



Used With

Model	Description
WDM-16	Wave Division Multiplexer